



M1035/0009

Leslie Heppler <lheppler@utah.gov>

Mike Peter, April

DERR's review of Appendix F of the Barney's Canyon Mine - Heap Leach Area Characterization Study Completion Report and Soil Removal Work Plan

2 messages

Douglas Bacon <dbacon@utah.gov>

Thu, Oct 22, 2015 at 2:04 PM

To: "Schnoor, Steve (RTKC)" <Steve.Schnoor@riotinto.com>, "Nannini, Tom (KUCC)" <Tom.Nannini@riotinto.com>, Kerri Fiedler - US EPA Reg 8 <fiedler.kerri@epa.gov>, Brian Hamos <bhamos@utah.gov>, Leslie Heppler <lheppler@utah.gov>, John Hoggan <jhoggan@slco.org>
Cc: "Griffin, Susan" <Griffin.Susan@epa.gov>, Scott Everett <severett@utah.gov>

OCT 22 2015

Div. of Oil, Gas & Mining

Good afternoon all,

You are receiving an electronic copy of DERR's letter concerning our review (per the request of DWQ) of RTKC's draft Barney's Canyon Mine - Heap Leach Area Characterization Study Completion Report & Soil Removal Work Plan (dated August 18, 2015). This letter is provided by DERR to acknowledge that the proposed action levels are acceptable with certain caveats.

Please note the remainder of the soil removal work plan is still being evaluated.

If you have any questions, please let me know.

Best Regards,

Douglas Bacon
Project Manager - Kennecott North & South
State of Utah - DEQ/DERR
(801) 536-4282
dbacon@utah.gov

"Let us never negotiate out of fear, but let us never fear to negotiate" - JFK, Presidential Inaugural Address



DERR-2015-014322 Agencies Accept Letter - RTBC's RA for closure 1015 (V1.5).pdf
81K

Nannini, Tom (RTKC) <Tom.Nannini@riotinto.com>

Thu, Oct 22, 2015 at 2:10 PM

To: Douglas Bacon <dbacon@utah.gov>, "Schnoor, Steve (RTKC)" <Steve.Schnoor@riotinto.com>, Kerri Fiedler - US EPA Reg 8 <fiedler.kerri@epa.gov>, Brian Hamos <bhamos@utah.gov>, Leslie Heppler <lheppler@utah.gov>, John Hoggan <jhoggan@slco.org>
Cc: "Griffin, Susan" <Griffin.Susan@epa.gov>, Scott Everett <severett@utah.gov>, "Lindsay, Thiess (RTHQ)" <Thiess.Lindsay@riotinto.com>

Thank you Doug.

We will review the acceptance letter and let you know if we have any questions.

Regards,

Tom Nannini

RECEIVED E-Mail

OCT 22 2015

Div. of Oil, Gas & Mining

From: Douglas Bacon [mailto:dbacon@utah.gov]

Sent: Thursday, October 22, 2015 2:04 PM

To: Schnoor, Steve (RTKC); Nannini, Tom (RTKC); Kerri Fiedler - US EPA Reg 8; Brian Hamos; Leslie Heppler; John Hoggan

Cc: Griffin, Susan; Scott Everett

Subject: DERR's review of Appendix F of the Barney's Canyon Mine - Heap Leach Area Characterization Study Completion Report and Soil Removal Work Plan

[Quoted text hidden]

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Governor

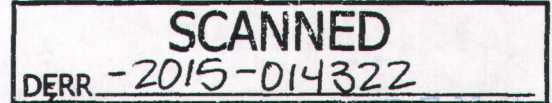
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Lieutenant Governor

Department of
Environmental Quality

Alan Matheson
Executive Director

DIVISION OF ENVIRONMENTAL
RESPONSE AND REMEDIATION

Brent H. Everett
Director



RECEIVED E-Mail

OCT 22 2015

Div. of Oil, Gas & Mining

ERRC-142-15

October 22, 2015

Steve Schnoor
Manager – Environment, Land and Energy
Rio Tinto Kennecott Copper
4700 West Daybreak Parkway
South Jordan, Utah 84095

RE: Review of Appendix F of the draft Barneys Canyon Mine – Heap Leach Area Characterization Study Completion Report & Soil Removal Work Plan, dated August 18, 2015

Dear Mr. Schnoor:

The Division of Environmental Response and Remediation (DERR), in consultation with U. S. Environmental Protection Agency, Region 8, reviewed the referenced document at the request of the Division of Water Quality (DWQ). The DERR finds acceptable the proposed soil action level for arsenic (1,000 mg/kg) and the proposal that a thallium action level is not necessary for the Barneys Canyon Gold Mine Heap Leach Pad area.

Please note that this determination applies solely to the cleanup and closure of the oxide and sulfide ore heap leach pads and support areas at the Barneys Canyon Gold Mine Heap Leach Pad area. The decision is premised on the following:

- The specific exposure scenarios modeled in the referenced document, i.e. recreational child visitor and site worker.
- The proposed and intended future land use of the area as open range/wildlife conservation area, with infrequent and short duration use by the child recreational visitor.
- The implementation of a land use control, in an agreeable form to the agencies, such as an environmental covenant, to restrict future use of the property, including motorized vehicle and recreational use, to uses that are compatible with the remedial actions implemented and maintained into the future.
- Implementation of post removal sampling to verify soils left in place have thallium concentrations below the upper confidence limit mean (UCLM) of 39 mg/kg.

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Div. of Oil, Gas & Mining

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Since waste exceeding unrestricted use action levels will be left in place, the facility will require a site management plan. This is necessary to ensure the remedial actions taken on site remain protective over time. The current draft soil removal work plan does not require a site management plan post response work. Please ensure a future revision of the broader work plan does require development of such a management plan. Also, please further note that this acceptance is applicable to just Appendix F. The broader work plan is still under review by the DWQ and the DERR.

If you have any questions, feel free to contact either myself at 801-536-4282 or Brian Hamos in the DWQ at 801-536-4384.

Best Regards,



Douglas Bacon
Remedial Project Manager

DCB/KF/BH/pd

cc: Kerri Fiedler, U.S. Environmental Protection Agency, Region 8 (electronic)
Brian Hamos, Division of Water Quality (electronic)
Leslie Heppler, Division of Oil, Gas and Mining (electronic)
Tom Nannini, Rio Tinto Kennecott Copper (electronic)
John Hoggan, Salt Lake County Health Department (electronic)
Gary Edwards, Salt Lake County Health Department